

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

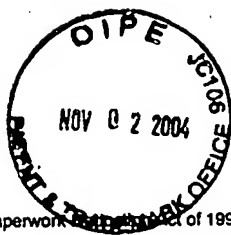
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/712,078
		Filing Date	November 13, 2003
		First Named Inventor	Litvak, et al.
		Art Unit	3764
Examiner Name			
Attorney Docket Number	AB-354U		
Sheet	1	of	2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/J.T. 					

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Y ⁶
		Country Code ³	-Number ⁴	-Kind Code ⁵ (if known)				
/J.T./	A22	WO	00/01200-A1		01-06-2000	Smith		
/J.T./	A23	WO	02/09808-A1		02-07-2002	Meadows, et al.		
/J.T./	A24	WO	03/015863-A2		02-27-2003	Overstreet		

Examiner Signature	/Jonathan Thomas/	Date Considered	07/03/2007
-----------------------	-------------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.
³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.
Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



PTO/SB/08B (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Project of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/712,078		
		Filing Date	November 13, 2003		
		First Named Inventor	Litvak, et al.		
		Group Art Unit	3764		
		Examiner Name			
Sheet	2	of	2	Attorney Docket Number	AB-354U

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/J.T./	A25	HARNSBERGER, et al., "Perceptual "vowel spaces" of Cochlear Implant Users: Implications for the Study of Auditory Adaptation to Spectral Shift", J Acoust Soc Am, Vol 109(5) pt. 1, (May 2001), pages 2135-2145.	
/J.T./	A26	McDERMOTT, et al., "Pitch Ranking with Nonsimultaneous Dual-Electrode Electrical Stimulation of the Cochlea", J Acoust Soc Am, Vol. 96(1), (1994) pages 155-162.	
/J.T./	A27	MORSE, et al., "The practical Use of Noise to Improve Speech Coding by Analogue Cochlear Implants", Chaos, Solutions and Fractals, Vol. 11, no. 12, (2000) pages 1885-1894.	
/J.T./	A28	RUBINSTEIN et al., "The Neurophysiological Effects of Simulated Auditory Prosthesis Simulation" Second Quarterly Progress Report NO1-DC-6-2111.	
/J.T./	A29	SCHEIRER, et al., "Construction and Evaluation of Robust Multifeature Speech/Music Discriminator", Acoustics, Speech, and Signal Processing (1997), IEEE International Conference on Munich, Germany (21-24 April 1997), pages 1331-1334.	
/J.T./	A30	SMITH, et al., "Chimaeric Sounds, Reveal Dichotomies in Auditory Perception", Nature, VOL. 416, no. 6876, (7 March 2002), pages 87-90.	
/J.T./	A31	van WIERINGEN, et al., "Comparison of Procedures to Determine Electrical Stimulation Thresholds in Cochlear Implant Users", Ear and Hearing, Vol. 22(6), (2001), pages 528-538.	
/J.T./	A32	ZENG, et al., "Loudness of Simple and Complex Stimuli in Electric Hearing", Annals of Otology, Rhinology & Laryngology, Vol. 104 (9), (1995) pages 235-238.	
/J.T./	A33	ZHANG, et al., "Loudness of Dynamic Stimuli in Acoustic and Electric Hearing", J Acoust Soc Am, Vol. 102(5) Pt. 1, (Nov. 1997), pages 2925 - 2934.	
OTHER PRIOR ART - RELATED APPLICATIONS			
/J.T./	A34	OVERSTREET, LITVAK, and FALTYS inventors for AB-378U; U.S. Patent Application Serial No. 10/698,097; filed October 31, 2003; entitled "Multi-Electrode Stimulation to Elicit Electrically-Evoked Compound Action Potential."	
/J.T./	A35	LITVAK, inventor for AB-396U; U.S. Patent Application Serial No. 10/819,609; filed April 07, 2004; entitled "Method of Using Non-Simultaneous Stimulation to Represent the Within-Channel Fine Structure."	

Examiner Signature	/Jonathan Thomas/	Date Considered	07/03/2007
--------------------	-------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in performance and not considered. Include copy of this form with next communication to applicant.
Applicant's unique citation designation number (optional). See Kinds Codes of USP10 Patent Documents at www.uspto.gov or MPEP 901.04.
Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.
Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.